



## Mab to Lamin (intermediate filament proteins of the nucleus)

<b>Clone Determination(s)</b>	X 67														
<b>Category</b>	Mouse monoclonal														
<b>Ig Subclass</b>	IgG1														
<b>Purification</b>	Protein A affinity chromatography														
<b>Antigen</b>	Nuclear pore complex-lamina fraction of <i>Xenopus laevis</i> (XLKE-A6 cells)														
<b>Description</b>	The monoclonal antibody cocktail decorates the karyoskeleton, i.e. the intermediate filament equivalent of the nucleus														
<b>Polypeptide(s) Reacting</b>	Lamin isotypes of M <sub>r</sub> 60 - 75 kD														
<b>Antigen Recognized in Species (tested so far)</b>	<table><tr><td><i>Xenopus laevis</i></td><td>LA, L<sub>I</sub>, L<sub>II</sub></td></tr><tr><td>Bovine</td><td>LA, C</td></tr><tr><td>Mouse</td><td>n.d.</td></tr><tr><td>Rat</td><td>-</td></tr><tr><td>Human</td><td>LA, C</td></tr><tr><td>Trout</td><td>LA, L<sub>I</sub>, L<sub>II</sub></td></tr><tr><td>Rat kangaroo</td><td>-</td></tr></table>	<i>Xenopus laevis</i>	LA, L <sub>I</sub> , L <sub>II</sub>	Bovine	LA, C	Mouse	n.d.	Rat	-	Human	LA, C	Trout	LA, L <sub>I</sub> , L <sub>II</sub>	Rat kangaroo	-
<i>Xenopus laevis</i>	LA, L <sub>I</sub> , L <sub>II</sub>														
Bovine	LA, C														
Mouse	n.d.														
Rat	-														
Human	LA, C														
Trout	LA, L <sub>I</sub> , L <sub>II</sub>														
Rat kangaroo	-														
<b>Application</b>	Immunofluorescence microscopy Immunoblotting (Western)														
<b>Working Dilution</b>	When reconstituted in 1 mL distilled water, dilute further 1:10 for immunohistochemical application														
<b>Incubation Time</b>	1 h at RT														
<b>Storage</b>	At 2-8°C														
<b>Quantity</b>	50 µg (lyoph.; contains 0.09% NaN <sub>3</sub> )														

### References

- Krohne G. and Benavente R.: The Nuclear Lamins. A Multigene Family of Proteins in Evolution and Differentiation. *Exp. Cell Res.* **162**, 1-10 (1986)
- Franke, W.W.: Nuclear Lamins and Cytoplasmic Intermediate Filament Proteins: A Growing Multigene Family. *Cell* **48**, 3-4 (1987)
- Höger, T.H., Grund, C., Franke, W.W., Krohne G.: Immunolocalization of Lamins in the thick nuclear lamina of human synovial cells. *Europ J Cell Biol* **54**, 150-156 (1991)
- Höger TH, Zatloukal K, Waizenegger I, and Krohne G: Characterization of a second highly conserved B-type lamin present in cells previously thought to contain only a single B-type lamin. *Chromosoma* **99**, 379-390 (1990)

**Cat. No. 61047A**